

S4 Criteria for the Use of High Tensile Steel with Minimum Yield Stress of 315 N/mm², 355 N/mm² and 390 N/mm²

(1973)
(Rev.1
1974)
(Rev.2
Apr
2007)
(Rev.3
May
2010)

This UR does not apply to CSR Bulk Carriers and Oil Tankers.

$k = 0.78$ for steel with $Y = 315 \text{ N/mm}^2$

$k = 0.72$ for steel with $Y = 355 \text{ N/mm}^2$

$k = 0.68$ for steel with $Y = 390 \text{ N/mm}^2$

provided that the moment of inertia of the midship section is not less than:

$I_{\min} = 3 W_{\min} L \text{ (cm}^4\text{)}$

$Y =$ minimum yield stress

$L =$ Rule length of ship (m)

$W_{\min} =$ minimum mild steel section modulus (cm²) as given for a new ship in S7. Any reduction for corrosion control is not to be taken account of.

End of
Document